

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Livingston County, Kentucky**

**Kentucky State Nature Preserves  
Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
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**[www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)**

# Kentucky State Nature Preserves Commission

## Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

### STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none    E = endangered    T = threatened    S = special concern    H = historic    X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none    C = candidate    LT = listed as threatened    LE = listed as endangered

SOMC = Species of Management Concern

### RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

### COUNT DATA FIELDS

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
(502) 573-2886 (phone)  
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internet: [www.naturepreserves.ky.gov](http://www.naturepreserves.ky.gov)

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Livingston	Non-Vascular Plants	<i>Phaeophyscia leana</i>	Lea's Bog Lichen	E /	G2 / S1?	3	0	0	0	0
Livingston	Vascular Plants	<i>Apios priceana</i>	Price's Potato-bean	E / LT	G2 / S1	2	0	0	1	0
Livingston	Vascular Plants	<i>Arabis hirsuta</i>	Western Hairy Rockcress	T /	G5 / S1S2	0	1	0	0	0
Livingston	Vascular Plants	<i>Armoracia lacustris</i>	Lakecress	T /	G4? / S1S2	0	1	0	0	0
Livingston	Vascular Plants	<i>Baptisia bracteata</i> var. <i>glabrescens</i>	Cream Wild Indigo	S /	G4G5T4T5 / S3	4	0	0	0	0
Livingston	Vascular Plants	<i>Carya aquatica</i>	Water Hickory	T /	G5 / S2S3	1	0	0	0	0
Livingston	Vascular Plants	<i>Chelone obliqua</i> var. <i>speciosa</i>	Rose Turtlehead	S /	G4T3 / S3	0	1	0	0	0
Livingston	Vascular Plants	<i>Cimicifuga rubifolia</i>	Appalachian Bugbane	T / SOMC	G3 / S2	2	1	0	0	0
Livingston	Vascular Plants	<i>Dodecatheon frenchii</i>	French's Shooting Star	S /	G3 / S3	0	0	0	1	0
Livingston	Vascular Plants	<i>Fimbristylis puberula</i>	Hairy Fimbristylis	T /	G5 / S2	1	0	0	0	0
Livingston	Vascular Plants	<i>Gleditsia aquatica</i>	Water Locust	S /	G5 / S3?	0	1	0	0	0
Livingston	Vascular Plants	<i>Halesia tetraptera</i>	Common Silverbell	E /	G5 / S1S2	0	4	0	0	0
Livingston	Vascular Plants	<i>Hydrolea uniflora</i>	One-flower Fiddleleaf	E /	G5 / S1	0	1	0	0	0
Livingston	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	1	0	0	0	0
Livingston	Vascular Plants	<i>Koeleria macrantha</i>	Prairie Junegrass	E /	G5 / S1	1	0	0	0	0
Livingston	Vascular Plants	<i>Monarda punctata</i>	Spotted Bee-balm	H /	G5 / SH	0	1	0	0	0
Livingston	Vascular Plants	<i>Myriophyllum heterophyllum</i>	Broadleaf Water-milfoil	S /	G5 / S3?	0	1	0	0	0
Livingston	Vascular Plants	<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil	H /	G5 / SH	0	1	0	0	0
Livingston	Vascular Plants	<i>Onosmodium occidentale</i>	Western False Gromwell	E /	G4? / S1	0	1	0	0	0
Livingston	Vascular Plants	<i>Philadelphus pubescens</i>	Hoary Mock Orange	E /	G5? / S1	0	2	0	0	0
Livingston	Vascular Plants	<i>Prenanthes aspera</i>	Rough Rattlesnake-root	E /	G4? / S1	0	0	0	1	0
Livingston	Vascular Plants	<i>Ptilimnium costatum</i>	Eastern Mock Bishop's-weed	H /	G4 / SH	0	1	0	0	0
Livingston	Vascular Plants	<i>Sedum telephoides</i>	Allegheny Stonecrop	T /	G4 / S2	0	0	0	1	0
Livingston	Vascular Plants	<i>Solidago buckleyi</i>	Buckley's Goldenrod	S /	G4 / S2S3	2	1	0	0	0
Livingston	Vascular Plants	<i>Sporobolus clandestinus</i>	Rough Dropseed	T /	G5 / S2S3	0	1	0	0	0
Livingston	Vascular Plants	<i>Sporobolus heterolepis</i>	Northern Dropseed	E /	G5 / S1	1	0	0	0	0
Livingston	Vascular Plants	<i>Torreyochloa pallida</i>	Pale Manna Grass	H /	G5 / SH	0	1	0	0	0
Livingston	Vascular Plants	<i>Trifolium reflexum</i>	Buffalo Clover	E /	G3G4 / S1S2	0	1	0	0	0
Livingston	Aquatic Snails	<i>Lithasia armigera</i>	Armored Rocksnail	S / SOMC	G3G4 / S3S4	13	2	1	2	0

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Livingston	Aquatic Snails	<i>Lithasia geniculata</i>	Ornate Rocksnail	S / SOMC	G3Q / S1	2	3	0	0	0
Livingston	Aquatic Snails	<i>Lithasia salebrosa</i>	Muddy Rocksnail	S / SOMC	G3G4Q / S3S4	0	2	0	0	0
Livingston	Aquatic Snails	<i>Lithasia verrucosa</i>	Varicose Rocksnail	S / SOMC	G4Q / S3S4	5	10	0	0	0
Livingston	Freshwater Mussels	<i>Cumberlandia monodonta</i>	Spectaclecase	E / C	G3 / S1	1	0	1	0	0
Livingston	Freshwater Mussels	<i>Cyprogenia stegaria</i>	Fanshell	E / LE	G1Q / S1	0	1	0	1	0
Livingston	Freshwater Mussels	<i>Dromus dromas</i>	Dromedary Pearlymussel	E / LE	G1 / S1	0	0	0	1	0
Livingston	Freshwater Mussels	<i>Fusconaia subrotunda</i>	Longsolid	S /	G3 / S3	10	2	1	0	0
Livingston	Freshwater Mussels	<i>Lampsilis abrupta</i>	Pink Mucket	E / LE	G2 / S1	2	3	3	2	0
Livingston	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	8	2	0	0	0
Livingston	Freshwater Mussels	<i>Obovaria retusa</i>	Ring Pink	E / LE	G1 / S1	1	1	0	4	0
Livingston	Freshwater Mussels	<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	E / LE	G1 / S1	3	1	2	1	0
Livingston	Freshwater Mussels	<i>Plethobasus cyphus</i>	Sheepnose	E / C	G3 / S1	8	0	1	0	0
Livingston	Freshwater Mussels	<i>Pleurobema clava</i>	Clubshell	E / LE	G2 / S1	0	0	0	3	0
Livingston	Freshwater Mussels	<i>Pleurobema rubrum</i>	Pyramid Pigtoe	E / SOMC	G2G3 / S1	1	2	2	1	0
Livingston	Freshwater Mussels	<i>Potamilus capax</i>	Fat Pocketbook	E / LE	G1G2 / S1	8	1	2	0	0
Livingston	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / C	G3G4T3 / S2	9	0	1	1	0
Livingston	Freshwater Mussels	<i>Simpsonia ambigua</i>	Salamander Mussel	T / SOMC	G3 / S2S3	0	1	0	0	0
Livingston	Crustaceans	<i>Macrobrachium ohione</i>	Ohio Shrimp	E /	G4 / S1	1	0	0	0	0
Livingston	Crustaceans	<i>Orconectes margorectus</i>	Livingston Crayfish	T /	G2 / S2	3	2	0	0	0
Livingston	Crustaceans	<i>Procambarus viaeviridis</i>	Vernal Crayfish	T /	G5 / S1	1	0	0	0	0
Livingston	Insects	<i>Tomocerus missus</i>	A Cave Obligate Springtail	T /	G4 / S1S2	0	1	0	0	0
Livingston	Fishes	<i>Acipenser fulvescens</i>	Lake Sturgeon	E / SOMC	G3G4 / S1	0	1	1	0	0
Livingston	Fishes	<i>Alosa alabamae</i>	Alabama Shad	E / SOMC	G3 / S1	1	0	0	0	0
Livingston	Fishes	<i>Atractosteus spatula</i>	Alligator Gar	E / SOMC	G3G4 / S1	0	1	0	0	0
Livingston	Fishes	<i>Erimyzon sucetta</i>	Lake Chubsucker	T /	G5 / S2	0	1	0	0	0

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Livingston	Fishes	<i>Esox niger</i>	Chain Pickerel	S /	G5 / S3	1	0	0	0	0
Livingston	Fishes	<i>Etheostoma proeliare</i>	Cypress Darter	T /	G5 / S2	5	1	0	0	0
Livingston	Fishes	<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	S /	G4 / S2	0	1	0	0	0
Livingston	Fishes	<i>Ictiobus niger</i>	Black Buffalo	S /	G5 / S3	6	1	0	0	0
Livingston	Fishes	<i>Lampetra appendix</i>	American Brook Lamprey	T /	G4 / S2	0	0	0	1	0
Livingston	Fishes	<i>Lepomis marginatus</i>	Dollar Sunfish	E /	G5 / S1	1	0	0	0	0
Livingston	Fishes	<i>Lota lota</i>	Burbot	S /	G5 / S2	2	0	0	0	0
Livingston	Fishes	<i>Menidia beryllina</i>	Inland Silverside	T /	G5 / S2	5	0	0	0	0
Livingston	Amphibians	<i>Hyla avivoca</i>	Bird-voiced Treefrog	S /	G5 / S3	1	0	0	0	0
Livingston	Amphibians	<i>Hyla cinerea</i>	Green Treefrog	S /	G5 / S3	2	0	0	0	0
Livingston	Amphibians	<i>Hyla gratiosa</i>	Barking Treefrog	S /	G5 / S3	2	0	0	0	0
Livingston	Amphibians	<i>Rana areolata circulosa</i>	Northern Crawfish Frog	S /	G4T4 / S3	6	1	0	0	0
Livingston	Reptiles	<i>Apalone mutica mutica</i>	Midland Smooth Softshell	S /	G5T5 / S3	1	0	0	0	0
Livingston	Reptiles	<i>Farancia abacura reinwardtii</i>	Western Mud Snake	S /	G5T5 / S3	0	1	0	0	0
Livingston	Reptiles	<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	T / SOMC	G3G4 / S2	1	1	0	0	0
Livingston	Reptiles	<i>Nerodia erythrogaster neglecta</i>	Copperbelly Water Snake	S / SOMC	G5T3 / S3	3	1	0	0	0
Livingston	Breeding Birds	<i>Ammodramus henslowii</i>	Henslow's Sparrow	S / SOMC	G4 / S3B	2	0	0	0	0
Livingston	Breeding Birds	<i>Cistothorus platensis</i>	Sedge Wren	S /	G5 / S3B	1	0	0	1	0
Livingston	Breeding Birds	<i>Corvus ossifragus</i>	Fish Crow	S /	G5 / S3B	2	0	0	0	0
Livingston	Breeding Birds	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T / Delisted	G5 / S2B,S2S3N	3	0	0	0	0
Livingston	Breeding Birds	<i>Lophodytes cucullatus</i>	Hooded Merganser	T /	G5 / S1S2B,S3S4 N	1	0	0	0	0
Livingston	Breeding Birds	<i>Pandion haliaetus</i>	Osprey	T /	G5 / S2B	6	0	0	0	0
Livingston	Breeding Birds	<i>Passerculus sandwichensis</i>	Savannah Sparrow	S /	G5 / S2S3B,S2S3 N	1	0	0	0	0
Livingston	Breeding Birds	<i>Riparia riparia</i>	Bank Swallow	S /	G5 / S3B	2	0	0	0	0
Livingston	Breeding Birds	<i>Sternula antillarum athalassos</i>	Interior Least Tern	E / LE	G4T2Q / S2B	3	0	0	2	0
Livingston	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0

Data current as of December 2009

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Livingston	Breeding Birds	<i>Vireo bellii</i>	Bell's Vireo	S / SOMC	G5 / S2S3B	3	0	0	0	0
Livingston	Mammals	<i>Myotis austroriparius</i>	Southeastern Myotis	E / SOMC	G3G4 / S1S2	6	0	0	0	0
Livingston	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	2	0	0	0	0
Livingston	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	2	0	0	0	0
Livingston	Communities	<i>Limestone slope glade</i>		/	GNR / S2S3	1	0	0	0	0
Livingston	Communities	<i>Sandstone barrens (open woodland)</i>		/	GNR / S1	1	0	0	0	0
Livingston	Communities	<i>Shawnee Hills sandstone glade</i>		/	GNR / S1	1	0	0	0	0
<b>Livingston County Total:</b>						<b>169</b>	<b>65</b>	<b>15</b>	<b>24</b>	<b>0</b>